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(54) Title: BIODEGRADABLE POLYMERS

(57) Abstract: A phosphorus-containing polymer is provided comprising the reaction product of a chain-transfer agent having at least one pH bond with an unsaturated carboxylic, phosphonic or sulphonic acid. The invention also provides the aforementioned phosphorus-containing polymer further comprising phosphorus-containing end-caps. The polymers have a biodegradability of at least 20% per 28 days (as determined by OECD 306).